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## ABSTRACT OF THE DISCLOSURE

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The image processing method of the invention creates a reproduced image by executing image processing on digital image data obtained by a digital camera. This method, first, determines a density conversion condition for an image expressed by the digital image data, next, determines a gradation conversion condition for the image on the basis of the density conversion condition, modifies the digital image data on the basis of at least one of the density and the gradation conversion conditions, and thus creates the reproduced image. The method may separate previously the digital image data into density component data and color component data, determine the density and gradation conversion conditions by using the density component data instead of the digital image data, modify the density component data in accordance with the density and gradation conversion conditions and synthesize the modified density component data with the color component data. The image processing apparatus performs the method described above. These method and apparatus are capable of obtaining a high-quality image by automatically or manually modifying a density of digital image data acquired by a digital camera, and also the density from digital image data of which a principal image area does not have a proper value as well as from image data of digital cameras with different exposures when photographing.

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